

**Table S1. Sequences of RNA and DNA oligonucleotides used in this study**

<b>Dda_ykkC_cryst</b>	TTAAAGaattcTAATACGACTCACTATAGGTGACTAGGGTTCCGGCga aaGCCGGTCCGAGAGTTACCGACCGCCgaaaGGCGGTTACACGG CGGGAAAAAAGCCCGGGAGGA
<b>Dda_ykkC_WT</b>	TTAAAGaattcTAATACGACTCACTATAGGTGACTAGGGTTCCGGCT TTACTGCGCAGGTCCGAGAGTTACCGACCGCCCTCTGGCGGTT ACACGGCGGGAAAAAAGCCCGGGAGGA
<b>Dda_ykkC_G37A</b>	TTAAAGaattcTAATACGACTCACTATAGGTGACTAGGGTTCCGGCT TTACTGCGCAGGTCCGAAAGTTACCGACCGCCCTCTGGCGGTTA CACGGCGGGAAAAAAGCCCGGGAGGA
<b>Dda_ykkC_A38G</b>	TTAAAGaattcTAATACGACTCACTATAGGTGACTAGGGTTCCGGCT TTACTGCGCAGGTCCGAGGGTTACCGACCGCCCTCTGGCGGTT ACACGGCGGGAAAAAAGCCCGGGAGGA
<b>Dda_ykkC_G67A</b>	TTAAAGaattcTAATACGACTCACTATAGGTGACTAGGGTTCCGGCT TTACTGCGCAGGTCCGAGAGTTACCGACCGCCCTCTGGCGGTT ACACAGCGGGAAAAAAGCCCGGGAGGA
<b>Dda_ykkC_AAAAtoUUUU</b>	TTAAAGaattcTAATACGACTCACTATAGGTGACTAGGGTTCCGGCT TTACTGCGCAGGTCCGAGAGTTACCGACCGCCCTCTGGCGGTT ACACGGCGGGAAUUUUUGCCCGGGAGGA
<b>Dda_ykkC_G84A</b>	TTAAAGaattcTAATACGACTCACTATAGGTGACTAGGGTTCCGGCT TTACTGCGCAGGTCCGAGAGTTACCGACCGCCCTCTGGCGGTT ACACGGCGGGAAAAAAGCCCGAGAGGA
<b>Dda_ykkC_G85A</b>	TTAAAGaattcTAATACGACTCACTATAGGTGACTAGGGTTCCGGCT TTACTGCGCAGGTCCGAGAGTTACCGACCGCCCTCTGGCGGTT ACACGGCGGGAAAAAAGCCCGGAAGGA
<b>Dda_ykkC_WT_F</b>	TTAAAGaattcTAATACGACTCACTATAGGTGACTAGGGTTCCGGCT TTAC
<b>Dda_ykkC_WT_R</b>	TCCTCCCGGGCTTTTTTCCCGCCGTGTAACCGCCAGAGGGCGG TCGGTAAC
<b>Dda_ykkC_G67A_R</b>	TCCTCCCGGGCTTTTTTCCCGCtGTGTAACCGCCAGAGGGCGGT CGGTAAC
<b>Dda_ykkC_AAAAtoUUUU_R</b>	TCCTCCCGGGCaaaaTTCCCGCCGTGTAACCGCCAGAGGGCGGT CGGTAAC
<b>Dda_ykkC_G84A_R</b>	TCCTCtCGGGCTTTTTTCCCGCCGTGTAACCGCCAGAGGGCGGT CGGTAAC
<b>Dda_ykkC_G85A_R</b>	TCCTtCCGGGCTTTTTTCCCGCCGTGTAACCGCCAGAGGGCGGT CGGTAAC